SEQUENCE LISTING

<110> Goulmy, Els

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
      HA-1

<130> 58994

<140> 09/269,250
<141> 1999-05-21

<160> 42

<170> PatentIn Ver. 2.1

<210> 1
<211> 377
<212> DNA
<213> HUMAN

<400> 1
gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60
ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt 120
gtggaagagg ccatgacagc taggctctg aggatgtgt aggagtttgg tgggggagtc 180
cctgagcgta cactggctca agagggtgcc cactttattt tttttaaagg atctgatggc 240
aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
gaatgcattt ggggccaag gtgtggggtg ccgctggtgt aggatgaagg catgacaacg 360
ccaggcagaa gggcaat   377

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 2
gtgctgcctc ctggacactg   20

<210> 3
<211> 20
<212> DNA
<213> Artificial Sequence

1

```
<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 3
tggctctcac cgtcatgcag                                          20


<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 4
tggctctcac cgtcacgcaa                                          20


<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 5
gcattctctg tttccgtgtt                                          20


<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 6
cttaaggagt gtgtgctgca                                          20


<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 7
cttaaggagt gtgtgttgcg                                          20


<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 8
gctgtcatgg cctcttccac                                          20


<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 9
gcattctctg tttccgtgtt                                          20


<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 10
ggcagagagc cctcgcagcc                                          20


<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence
```

3

```
<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 11
gtgtgttgcg tgacggtg                                                    18


<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 12
gtgtgttgcg tgacg                                                       15


<210> 13
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 13
tgtgtgttgc gtgacg                                                      16


<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:    PRIMER

<400> 14
tgtgtgctgc atgacggtg                                                   19


<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence
```

4

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 15
tgtgtgctgc atgacggt   18

<210> 16
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 16
gtgtgctgca tgacggtg   18

<210> 17
<211> 9
<212> PRT
<213> HUMAN

<400> 17
Val Leu Xaa Asp Asp Leu Leu Glu Ala
  1   5

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 18
gctcctgcat gacgctctgt ctgca   25

<210> 19
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 19
gacgtcgtcg aggacatctc ccat   24

<210> 20
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 20
gaaggccaca gcaatcgtct ccagg   25

<210> 21
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 21
ccttgagaaa cttaaggagt gtgtgctgca   30

<210> 22
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 22
ccttgagaaa cttaaggagt gtgtgttgcg   30

<210> 23
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

6

<400> 23
ccggcatgga cgtcgtcgag gacatctccc atc   33

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 24
ctacttcagg ccacagcaat cgtctccagg   30

<210> 25
<211> 38
<212> DNA
<213> HUMAN

<400> 25
gagtgtgtgt tgcgtgacga cctccttgag gcccgccg   38

<210> 26
<211> 13
<212> PRT
<213> HUMAN

<400> 26
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
 1   5   10

<210> 27
<211> 38
<212> DNA
<213> JUMAN

<400> 27
gagtgtgtgc tgcatgacga cctccttgag gcccgccg   38

<210> 28
<211> 13
<212> PRT

7

<213> HUMAN

<400> 28
Glu Cys Val Leu Ala Asp Asp Leu Leu Glu Ala Arg Arg
 1   5   10

<210> 29
<211> 38
<212> DNA
<213> HUMAN

<400> 29
gagtgtgtgt tgcgtgacga cctccttgag gcccgccg   38

<210> 30
<211> 13
<212> PRT
<213> HUMAN

<400> 30
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
 1   5   10

<210> 31
<211> 38
<212> DNA
<213> HUMAN

<400> 31
gagtgtgtgc tgcatgacga cctggttgag gcccgccg   38

<210> 32
<211> 13
<212> PRT
<213> HUMAN

<400> 32
Glu Cys Val Leu Ala Asp Asp Leu Leu Glu Ala Arg Arg
 1   5   10

<210> 33
<211> 10
<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PROBE

<400> 33
Phe Leu Pro Ser Asp Cys Phe Pro Ser Val
 1   5   10

<210> 34
<211> 9
<212> PRT
<213> HUMAN

<400> 34
Val Leu His Asp Asp Leu Leu Glu Ala
 1   5

<210> 35
<211> 9
<212> PRT
<213> HUMAN

<400> 35
Val Leu Arg Asp Asp Leu Leu Glu Ala
 1   5

<210> 36
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PROBE

<400> 36
Tyr Xaa Thr Asp Arg Val Met Thr Val
 1   5

<210> 37
<211> 9
<212> PRT
<213> Artificial Sequence

9

<220>
<223> Description of Artificial Sequence: PROBE

<400> 37
Val Xaa His Asp Asp Xaa Xaa Glu Ala
  1   5

<210> 38
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PROBE

<400> 38
Val Leu His Asp Leu Leu Glu Ala
  1   5

<210> 39
<211> 27
<212> DNA
<213> HUMAN

<400> 39
gtgttgcgtg acgacctcct tgaggcc   27

<210> 40
<211> 27
<212> DNA
<213> HUMAN

<400> 40
gtgctgcatg acgacctcct tgaggcc   27

<210> 41
<211> 60
<212> DNA
<213> HUMAN

<400> 41
gtgtggcgtg acggtgagag ccactcactc cgactctccc cagcagacct ccttgaggcc 60

```
<210> 42
<211> 27
<212> DNA
<213> HUMAN

<400> 42
gtgttgcgtg acgacctcct tgaggcc                                            27
```